

**NORTH SHORE WATER COMMISSION
MEETING OF APRIL 11, 2007**

A meeting of the North Shore Water Commission was held at the Filtration Plant, 400 West Bender Road, Glendale, Wisconsin on Wednesday, April 11, 2007.

Meeting was called to order at 7:30 A.M.

Present: Richard Maslowski, Michael West and Mary Jo Lange and Alternate Bill Huegel

Also present was Plant Manager Eric Kiefer

Absent: Alternate Susan Robertson, Fox Point Village Manager and Alternate Rita Cheng, Whitefish Bay Trustee

It was moved by Ms. Lange and seconded by Mr. West that the minutes of the meeting held March 14, 2007 be approved as submitted. The motion carried unanimously.

The monthly report of plant operations was placed on file without motion.

MONTHLY BILLS

It was moved by Ms. Lange, seconded by Mr. West and unanimously carried that the following bills for February were approved and authorization given to the Fiscal Agent to make such payments:

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| Eric Kiefer (Petty cash) | \$ | 78.00 |
| AT&T (Service: April, 07.-Klode) | | 23.67 |
| AT&T-SBC (March, 07 Service-Klode) | | 39.49 |
| B & B Electronics (Plant supplies) | | 234.73 |
| CDW (Computer equip. & supplies) | | 538.55 |
| Cingular (March, 07 Service.) | | 96.66 |
| Cintas (Plant supplies) | | 338.15 |
| Citgo (Gas for Truck & Tractor) | | 72.06 |
| Davis & Kuelthau (Legal service-April, 2007) | | 1,180.50 |
| Ferguson Enterprise (Plant supplies) | | 83.74 |
| General Chemical (Chemicals) | | 2,175.11 |
| Glendale Water Utility (516 W. Bender-storm sewer) | | 40.44 |
| Glendale Water Utility (400 W. Bender-storm sewer) | | 348.65 |
| Goodyear Auto (Truck maint.) | | 81.00 |
| Grainger (Plant supplies) | | 99.25 |
| Idexx (Lab supplies) | | 2,571.65 |
| Industrial Towel & Uniform (Plant supplies) | | 154.21 |
| Lab Safety Supply (Plant supplies) | | 22.90 |
| J. C. Licht (Paints) | | 421.51 |
| Local Govern. Prop. Insur. Fund (Insur Policy renewal. 3/13/07 to 3/13/08) | | 14,367.00 |
| M&I Bank (Safe deposit box) | | 63.00 |
| John A. Mayer (Wholesale water calculation) | | 50.00 |
| McMaster-Carr (Plant supplies) | | 124.93 |

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| Milwaukee Met. Sewerage Distr. (Sludge removal: 1 st qtr 2007 | 6,984.70 |
| Modular Piping (Filter repairs & plant supplies) | 4,497.28 |
| North Woods Superior (Plant supplies) | 432.30 |
| Barbara Patin (Sec. Service for March, 2007) | 90.00 |
| Pristine Water (Chemicals) | 550.00 |
| Superior Lamp (Plant supplies) | 478.11 |
| Time Warner (Remote site com. & Internet service) | 1,345.77 |
| U.S. Cellular (March, 07 service-est.) | 12.33 |
| Underwriter Labs (Water analysis) | 63.00 |
| Village Hardware (Plant supplies) | 4.30 |
| Village of Whitefish Bay (Phone line service: March, 2007-est.) | 769.23 |
| Village of Whitefish Bay (Electric service: 1/30/07 to 2/28/07) | 3,295.30 |
| Virchow Krause & Co. (Bal. Of 12/31/06 audit) | 1,022.36 |
| Waste Mgt of Milwaukee (Service: April, 2007) | 246.49 |
| WE Energies(Electric: 03/01/07 to 04/01/07) | 12,518.16 |
| WE Energies(Gas- Bender service: 3/01/07 to 03/29/07) | 4,404.80 |
| WE Energies(Gas- Klode service: 12/28/06 to 03/29/07) | 15.05 |
| WE Energies(Gas- 516 W. Bender: 02/26/07 to 03/27/07) | 118.30 |
| Wis. State Lab of Hygiene (Water analysis) | 401.25 |
| TOTAL | \$60,453.93 |

2006 WATER QUALITY REPORT

Plant Manager Eric Kiefer provided Commission members with a draft of the 2006 Water Quality Report. He said that he would send the report electronically to each municipality to use in their newsletters or mailings as required by the Wisconsin Department of Natural Resources.

It was moved by Mr. West, seconded by Ms. Lange and unanimously carried to approve the draft as presented of the 2006 Water Quality Report.

PRESENTATION ON WATER AGE RESEARCH PROJECT

Dr. Jim Waples, Assistant Scientist at UW-Milwaukee was present and spoke about the research he has been involved in regarding a new method for determining the age of water in a distribution system.

Dr. Waples explained that water age is defined as the time it takes for water to travel from a source of distribution to consumers. The longer the time in the pipe, the greater the chance that pipe materials will leech into the water from corrosion, disinfectants will diminish, and chemical byproducts will form. He said that water age is a key index of water quality. An increase in water age leads to a decrease in water quality.

Dr. Waples has developed a Y-90/SR-90 Tracer in a hydraulic model for use as an effective way of measuring water age. Without a calibrated hydraulic model, municipalities may have difficulty determining areas that need more frequent maintenance such as flushing.

The North Shore Water Commission is providing data for Dr. Waples research and a model will be provided to the Water Plan for use in the future to improve water quality in the distribution system.

RFP FOR ENGINEERING SERVICES

Following a brief discussion, it was moved by Mr. West, seconded by Ms. Lange and unanimously carried to authorize the distribution of a Request for Proposals (RFP) for engineering services to assist in the completion of the requirements of the Initial Distribution System Evaluation (IDSE) regulation and conversion to chloramination for residual disinfection at the North Shore Water Filtration Plant.

LEVEL DETECTION EQUIPMENT

It was moved by Mr. West, seconded by Ms. Lange and unanimously carried to award a contract to Durable Controls in an amount not to exceed \$9,417.50 for level indicators for the bulk chemical tanks. Funds for this purchase to come from the Maintenance Reserve account.

PROPOSED ORGANIZATIONAL STRUCTURE AT WATER PLANT

It was the consensus of the Commission members that a formalization of the organizational structure of the plant be included as part of the labor negotiations with the AFSCME union at the end of the year.

SALE OF COMMISSION PROPERTY

Mr. West provided a draft of a letter to the various municipalities Councils and Boards regarding the proposed sale of the residence at 516 W. Bender Road. A resolution to be included with this communication will be drafted by legal staff.

MANAGER'S REPORT OF OPERATIONAL PROJECTS FOR MARCH

1. Completed all filter maintenance and started evaluating existing procedures for filter operation and maintenance.
2. Installed sight tubes on chemical tanks to allow for manual measurement of tank volume.
3. Cleaned and calibrated polyphosphate day tank.
4. Developed new procedures for transferring chemicals from bulk tanks to day tanks.
5. Made repairs to alum feed pump.
6. Continued painting walls near UV area.

7. Upgraded communications at Klode to use Time Warner Cable instead of AT&T leased line; flooded AT&T equipment interrupted communications for several days.
8. Developed basic website to allow for convenient public access to reports and other information.

There being no further regular business the meeting adjourned at 8:35 A.M. The next scheduled meeting will be Wednesday, May 9, 2007.

Barbara C. Patin, Recording Secretary